

ABSTRACT

A solid state fuel cell comprising a non-polymeric electrolyte, the fuel cell comprising a member having a porous region, the member comprising metallic titanium or an alloy thereof. Preferably, the fuel cell is a ceramic fuel cell, particularly preferred are solid oxide fuel cells and protonic ceramic fuel cells. The porous region may be bounded by a non-porous region. The titanium-containing member may be coated with layers of ceramic materials.